

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|--------------------------------|------------------|
| 3 | 19293 | caprolactam | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 4 | 62019 | carbon adj monoxide | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 5 | 406 | caprolactam and (carbon adj monoxide) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 6 | 162545 | palladium or pd | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 7 | 144 | (caprolactam and (carbon adj monoxide)) and (palladium or pd) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 8 | 62748 | \$nitrile | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 9 | 122 | 5-cyanovaler\$ | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 10 | 19032 | group adj VIII | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 11 | 521 | pentenenitrile | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 12 | 52 | 5-cyanovaler\$ and pentenenitrile | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 13 | 100162 | \$Bis- (phosphino)propane | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 14 | 100162 | \$Bis- (Di-tert-butylphosphino)propane | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 15 | 4762 | carbonylation | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 16 | 501 | (\$Bis- (Di-tert-butylphosphino)propane) and carbonylation | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 17 | 356 | (palladium or pd) and ((\$Bis- (Di-tert-butylphosphino)propane) and carbonylation) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 18 | 0 | 049554.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 19 | 40 | 5-cyanovaleric | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 20 | 86748 | hydrogenation | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 21 | 1310 | 6-aminocaproic | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 41 | 172 | (558/441).CCLS. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:43 |
| 42 | 0 | (("540/485").CCLS.) and 5-cyanovaleric | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 1 | 3 | 5780623.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 2 | 2 | 5973406.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |

| | | | | |
|----|-----|---|--------------------------------|------------------|
| 22 | 41 | ((caprolactam and (carbon adj monoxide)) and (palladium or pd)) and \$nitrile | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 23 | 10 | caprolactam and (5-cyanovaler\$ and pentenenitrile) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 24 | 33 | (carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 25 | 25 | (palladium or pd) and ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 26 | 2 | 5679831.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 27 | 2 | 6156934.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 28 | 9 | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis-(phosphino)propane) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 29 | 9 | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis-(Di-tert-butylphosphino)propane) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 30 | 21 | pentenenitrile and ((palladium or pd) and ((\$Bis-(Di-tert-butylphosphino)propane) and carbonylation)) | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 31 | 8 | "0495548" | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 32 | 4 | 49554.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 33 | 1 | 0049554.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 34 | 39 | caprolactam and 5-cyanovaler\$ | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 35 | 23 | caprolactam and 5-cyanovaleric | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 36 | 1 | "4636576".PN. | USPAT | 2002/07/20 07:44 |
| 37 | 1 | "5616773".PN. | USPAT | 2002/07/20 07:44 |
| 38 | 15 | 6-aminocaproic and 5-cyanovaleric | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 39 | 3 | 9815529.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 40 | 2 | 5679831.pn. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 43 | 142 | (540/485).CCLS. | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 44 | 6 | ((("558/441").CCLS.) and 5-cyanovaleric | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |
| 45 | 59 | ((("540/485").CCLS.) and caprolactam | USPAT; EPO; JPO; DERWENT | 2002/07/20 07:44 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition |
|----|------|-----|------------|---|---|---------------------|----------|-------------------------|
| 1 | BRS | L3 | 19293 | caprolactam | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 2 | BRS | L4 | 62019 | carbon adj monoxide | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 3 | BRS | L5 | 406 | caprolactam and (carbon adj monoxide) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 4 | BRS | L6 | 16254 5 | palladium or pd | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 5 | BRS | L7 | 144 | (caprolactam and (carbon adj monoxide)) and (palladium or pd) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 6 | BRS | L8 | 62748 | \$nitrile | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | Truncation overflow. |
| 7 | BRS | L9 | 122 | 5-cyanovaler\$ | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 8 | BRS | L10 | 19032 | group adj VIII | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 9 | BRS | L11 | 521 | pentenenitrile | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 10 | BRS | L12 | 52 | 5-cyanovaler\$ and pentenenitrile | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |

| | Err ors |
|----|------------|
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 1 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition |
|----|------|-----|------------|--|---|---------------------|----------|------------------|
| 11 | BRS | L13 | 10016 2 | \$Bis- (phosphino)propane | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 12 | BRS | L14 | 10016 2 | \$Bis- (Di-tert-butylphosph ino)propane | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 13 | BRS | L15 | 4762 | carbonylation | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 14 | BRS | L16 | 501 | (\$Bis- (Di-tert-butylphosp hino)propane) and carbonylation | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 15 | BRS | L17 | 356 | (palladium or pd) and ((\$Bis- (Di-tert-butylphos phino)propane) and carbonylation) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 16 | BRS | L18 | 0 | 049554.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 17 | BRS | L19 | 40 | 5-cyanovaleric | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 18 | BRS | L20 | 86748 | hydrogenation | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 19 | BRS | L21 | 1310 | 6-aminocaproic | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |
| 20 | IS&R | L41 | 172 | (558/441).CCLS. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:43 | | |

| | Err ors |
|----|------------|
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0 |
| 18 | 0 |
| 19 | 0 |
| 20 | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition |
|----|------|-----|------|---|---|---------------------|----------|----------------------|
| 21 | BRS | L42 | 0 | ((("540/485").CCLS.) and 5-cyanovaleric | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 22 | BRS | L1 | 3 | 5780623.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 23 | BRS | L2 | 2 | 5973406.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 24 | BRS | L22 | 41 | ((caprolactam and (carbon adj monoxide)) and (palladium or pd)) and \$nitrile | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | Truncation overflow. |
| 25 | BRS | L23 | 10 | caprolactam and (5-cyanovaler\$ and pentenenitrile) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 26 | BRS | L24 | 33 | (carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 27 | BRS | L25 | 25 | (palladium or pd) and ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 28 | BRS | L26 | 2 | 5679831.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 29 | BRS | L27 | 2 | 6156934.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 30 | BRS | L28 | 9 | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis- (phosphino)propane) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |

| | Err ors |
|----|------------|
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |
| 24 | 1 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition |
|----|------|-----|------|--|---|---------------------|----------|------------------|
| 31 | BRS | L29 | 9 | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis- (Di-tert-butylphosphino)propane) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 32 | BRS | L30 | 21 | pentenenitrile and ((palladium or pd) and ((\$Bis- (Di-tert-butylphosphino)propane) and carbonylation)) | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 33 | BRS | L31 | 8 | "0495548" | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 34 | BRS | L32 | 4 | 49554.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 35 | BRS | L33 | 1 | 0049554.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 36 | BRS | L34 | 39 | caprolactam and 5-cyanovaler\$ | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 37 | BRS | L35 | 23 | caprolactam and 5-cyanovaleric | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 38 | BRS | L36 | 1 | "4636576".PN. | USPAT | 2002/07/20 07:44 | | |
| 39 | BRS | L37 | 1 | "5616773".PN. | USPAT | 2002/07/20 07:44 | | |
| 40 | BRS | L38 | 15 | 6-aminocaproic and 5-cyanovaleric | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 41 | BRS | L39 | 3 | 9815529.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |

| | Err ors |
|----|------------|
| 31 | 0 |
| 32 | 0 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition |
|----|------|-----|------|---|---|---------------------|----------|------------------|
| 42 | BRS | L40 | 2 | 5679831.pn. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 43 | IS&R | L43 | 142 | (540/485).CCLS. | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 44 | BRS | L44 | 6 | (("558/441").CCLS.) and 5-cyanovaleric | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |
| 45 | BRS | L45 | 59 | (("540/485").CCLS.) and caprolactam | USPAT ; EPO; JPO; DERWE NT | 2002/07/20 07:44 | | |

| | Err ors |
|----|------------|
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |